



UNION CARBIDE CORPORATION P.O. BOX 1029, GRAND JUNCTION, COLORADO 81502
METALS DIVISION TELEPHONE: (303) 245-3700

File

ACT/037/026

Copy to Sue, Tami.

December 15, 1983

RECEIVED
DEC 27 1983

Susan Linner
State of Utah
Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

DIVISION OF
OIL, GAS & MINING

RE: Revegetation Test Plats

Dear Susan:

The Union Carbide - LaSal Area revegetation test plats were completed in late November at the Beaver Waste dump site visited by you and the staff earlier this year. I am attaching copies of the planting plan, techniques utilized and species used.

If you have further questions regarding these please address them to B. A. Greene at this location. Due to economic conditions requiring a large lay-off I will no longer be with the company. I hope our work together in the past year has proven fruitful in the resolution of problems from the past.

Sincerely,

Kent Dahlquist

KD/vt

Enc.

LASAL AREA REVEGETATION TEST PLATS

Planted November 16 & 17, 1983

I METHOD

Plat A: Snowball Waste

Pile leveled and oriented north-south, species planted in rows numbered 1-12 according to index attached. No ammendments or mulch added.

Plat B: Snowball Waste - Control

Waste in pile as dumped, stake marked central #38, pile surface scalloped with shovel, no seeding, fertilized.

Plat C: Beaver Waste - Control

Waste in pile as dumped, nothing done to surface. No seeds, fertilizer etc. added. Marked as #37.

Plat D: LaSal Waste

Waste in pile as dumped, sides terraced, seeding mix broadcast and surface dragged. No fertilizer or mulch used. Marked #12.

Plat E: Beaver Waste

Waste leveled and oriented east-west. Seeds mixed, broadcast, fertilizer added and surface raked in. Marked #24.

Plat F: LaSal Waste

Pile leveled and oriented east-west. Seeds planted in rows numbered 13-24. Fertilizer and mulch added.

Plats G & H: Available for further testing.

APPENDIX

II Species used and planting code number

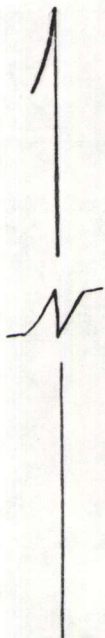
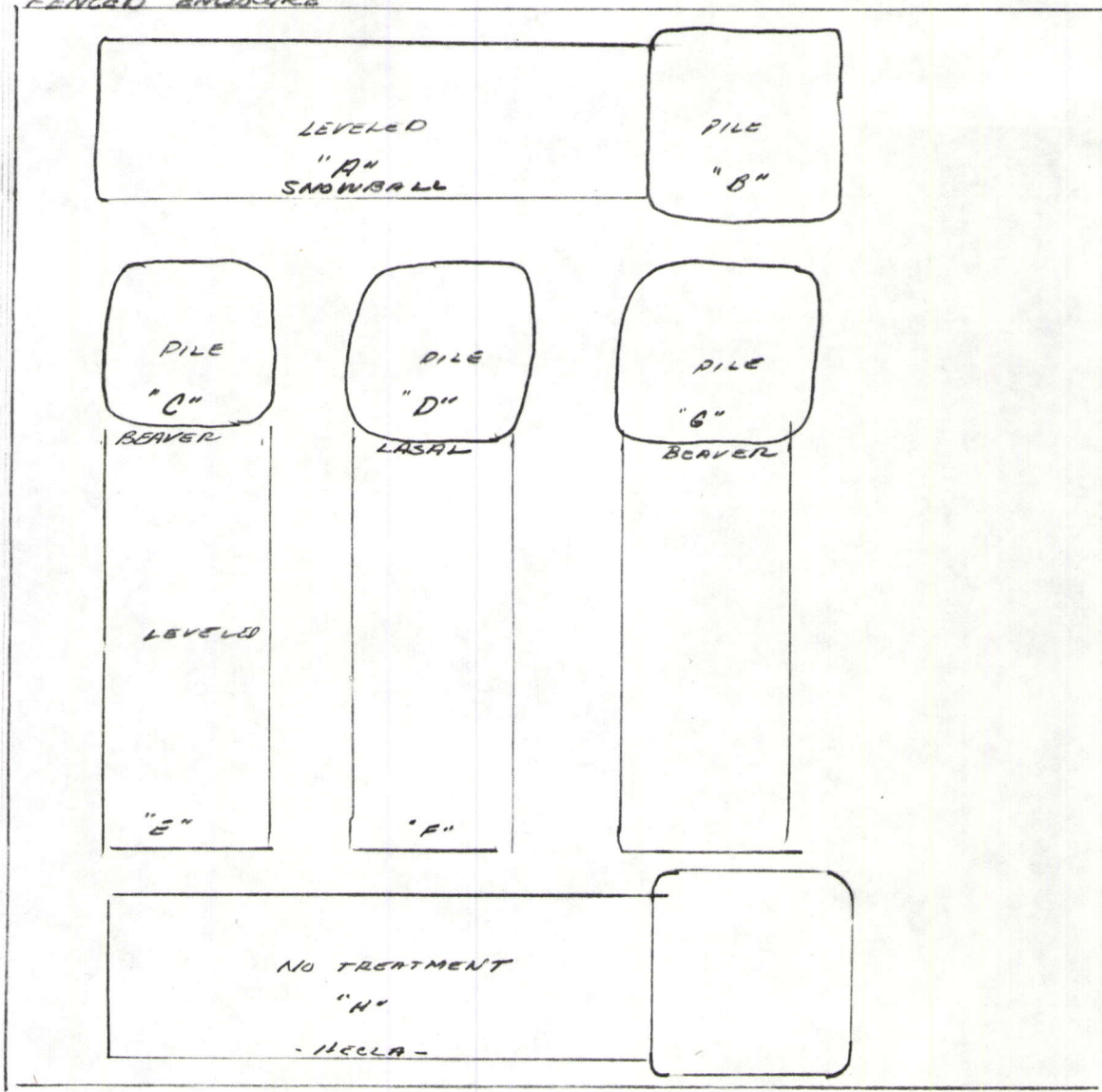
1	13	winterfat	18.50
2	14	thick spike wheatgrass	3.90/pls.
3	15	yellow sweet clover	.68
4	16	russian wildrye	2.70
5	17	shadscale saltbush	8.00
6	18	crested wheatgrass - Nordum	1.00
7	19	rabbit brush (Nauseosus)	.68
8	20	rand dropseed	2.72
9	21	western wheatgrass	2.40
10	22	four wing saltbush	6.00
11	23	indian ricegrass	8.15
12	24	mixture of eleven	

III Ammendments

- A. Mulch: Jacklin organic mulch
- B. Fertilizer: Ammonium-Nitrate
Manganese Sulfate
Superphosphate

LASAL - AREA: REVEGETATION PLOTS

FENCED ENCLOSURE



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UNION CARBIDE CORPORATION
METALS DIVISION
LA SAL, UTAH 84530

DIVISION OF

Mr. Tom Tetting
Engineering Geologist
State of Utah Natural Resources
4241 State Office Building
Salt Lake City, UT 84114

November 17, 1983

Re: Progress report-
La Sal-Snowball
Hecla, Deremo-
Snyder, Wilson-
Silver Bell Mines

ACI/037/026

Dear Tom:

I am writing per your request during our phone conversation on Nov. 14. The following is a progress report concerning your recent correspondence on Union Carbide Mines operated in Utah.

La Sal-Snowball Mines

The test vegetation plot has been seeded on November 16 and 17. A letter from Kent Dahlquist will be forthcoming outlining the details.

You will receive a letter in answer to your questions concerning detail cost estimates for each reclamation step of our bond revisions by December 15, 1983.

Hecla Shaft

A preliminary design has been completed for a BaCl treatment facility at the Hecla Shaft. Correspondence has been recently made with Steve McNeal of the Department of Health. We have not committed to a treatment system at this time because management has requested we establish authority and if treatment is required, for what and what guidelines are to be met (i.e. BPT/BAT effluent, stream standards, water quality based limitations, drinking water?). Therefore, until these questions are answered we cannot provide final design information.

Deremo-Snyder Mines

A water sample was taken on November 10 in the containment pond located in Utah as you requested in your letter dated October 31, 1983. The analyses will be submitted as soon as it returns.

The pump was removed that was being used for supplying drill water and this practice has been curtailed.

An answer to your questions in your letter of October 31 will be forthcoming after we receive management's approval. (prior to December 15)

Wilson-Silver Bell Mines

Work has started on answering your Questions of November 1, involving the bond estimate and a letter will be submitted by December 15, 1983.

Redd Block Four

An answer to your letter of October 31, 1983 will be submitted by December 31, 1983.

1984 Program

On November 16, 1983 Union Carbide announced the temporary curtailment of its mining operations in Eastern Utah and Western Colorado. Approximately 100 employees will be laid off by mid December. A small work force will remain at each mine for maintenance purposes.

Therefore, any correspondence concerning UCC's mines in Utah should be sent to me as Mr. Dahlquist will be no longer available.

We hope to reopen the mines by 1985 depending on market conditions.

*which includes
the test plots*

Sincerely,



Bruce A. Greene
Mine Superintendent

BAG/bag

Umetco Minerals Corporation



LA SAL MINE • P.O. BOX 307 • LA SAL, UTAH 84530
☎ (801) 686-2228 or (801) 686-2313

Test Plot Results as of 5/20/85 - Planted 11/16/83

(see method of planting)

Plat A

- #1- no growth
- #2- sparce growth, low productivity
- #3- very sparce , one plant
- #4- sparce growth, low productivity
- #5- no growth
- #6- fair growth, low productivity
- #7- no growth
- #8- no growth
- #9- fair growth, low productivity
- #10 sparce growth, low productivity
- #11 sparce growth, very low productivity
- #12 fair growth only wheatgrasses, some ricegrass

Plat B

- #38- no growth only wild russian thistle (sparce)

Plat C

- #37- no growth sparce russian thistle

Plat D

- #12- fair ricegrass, yellow sweatclover fair to good on top with good productivity, thick spike wheatgrass sparce, and sparce russian thistle

Plat E

- #24- no growth russian thistle sparce

Plat F

- #13- no growth
- #14- fair to good growth, low productivity
- #15- fair growth, low productivity
- #16- fair growth, low productivity
- #17- no growth
- #18- fair to good growth, fair productivity
- #19- no growth
- #20- sparce growth, low productivity
- #21- good growth, fair productivity
- #22- very sparce, one plant
- #23- fair growth, low productivity
- #24- fair spike wheatgrass, one saltbrush, low crested wheatgrass, low western wheatgrass, no other growth